# SYLLABUS
## COURSE DESCRIPTION YEAR 2023/2024

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>Scientific Writing and Communication</th>
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<tbody>
<tr>
<td>COURSE CODE</td>
<td>76246</td>
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<tr>
<td>SCIENTIFIC SECTOR</td>
<td>M-FIL/02</td>
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<tr>
<td>DEGREE</td>
<td>Bachelor in Computer Science</td>
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<tr>
<td>SEMESTER</td>
<td>1st</td>
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<tr>
<td>YEAR</td>
<td>3rd</td>
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<tr>
<td>CREDITS</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL LECTURING HOURS</td>
<td>30</td>
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<tr>
<td>TOTAL LAB HOURS</td>
<td>-</td>
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<tr>
<td>ATTENDANCE</td>
<td>Attendance is not compulsory but strongly recommended. Non-attending students have to contact the lecturer at the start of the course to agree on the modalities of the independent study.</td>
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<tr>
<td>PREREQUISITES</td>
<td>-</td>
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<tr>
<td>COURSE PAGE</td>
<td><a href="https://ole.unibz.it/">https://ole.unibz.it/</a></td>
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### SPECIFIC EDUCATIONAL OBJECTIVES
- Type of course: affine integrative
- Scientific area: formazione affine

Computer scientists learn to master a unique language that allow them to program machines. Effective communication is a core skill in any domain, but it assumes particular importance for computer scientists, who need to communicate complex problems and concepts. Many different situations (thesis, job interview, fundraising, public presentation, scientific conference, technical pitch etc.) require the presenter to be able to convey effectively and efficiently the technical/scientific content, whatever the audience, the content and its complexity.

The first part of the course is designed to familiarize students with academic research and writing academic texts. It explains the fundamental techniques of writing essays, posters, abstracts, journal articles, and theses. The second part offers guidelines for a large range of outreach communication from technical manual to social media.

<table>
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<tr>
<th>LECTURER</th>
<th>De Angeli Antonella</th>
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SCIENTIFIC SECTOR OF THE LECTURER: INF/01

TEACHING LANGUAGE: English

OFFICE HOURS: Please arrange beforehand by email: antonella.deangeli@unibz.it. Office POS 1.08, Faculty of Computer Science, Piazza Domenicani 3

TEACHING ASSISTANT:

OFFICE HOURS:

LIST OF TOPICS COVERED:
- Planning communication: audiences, media and presenters
- In-reach communication: structure of thesis, journal paper, posters, presentation
- Out-reach communication: technical manuals, writing for the web; press release; social media; public dissemination

TEACHING FORMAT: Lectures, exercises, workshops, and discussion.

LEARNING OUTCOMES:

Knowledge and understanding
- know the principles of presentation, communication, and scientific writing

Applying knowledge and understanding
- can present and communicate at a professional level in science

Making judgments
- can efficiently select and judge information for scientific purposes
- can work autonomously according to the own level of knowledge

Communication skills
- can use appropriate technical and scientific terminology
- can structure and write scientific texts

Learning skills
- have developed learning capabilities to pursue further studies with a high degree of autonomy
- have acquired learning capabilities that enable to carry out presentations, communication, and writing in science

ASSESSMENT:
Mid-term assignment- week 6 [30%] + communication portfolio (40%) and oral examination (30%).

The communication portfolio consist of:
- A commented thesis index
- A scientific extended abstract.
- A scientific or technical poster and its two-minute-presentation.
- 10 minutes presentation.
- A technical manual on how to create games in H5P for school teachers
- An engaging social media campaign to advertise a web-site

Final oral exam consists of a 10 minutes presentation. Assignments and final exam are mandatory, and both must be positive to
pass the exam. A positive mark for assignments counts for three consecutive exam sessions. In case of a negative evaluation of the assignments, a new set of assignments needs to be handed in for the next session.

Non-attending students have to prepare their communication portfolio autonomously.

### ASSESSMENT LANGUAGE

**English**

### EVALUATION CRITERIA AND CRITERIA FOR AWARDING MARKS

Assignments

Assignments are needed to assess the following learning outcomes: applying knowledge and understanding, making judgements, communication skills, and learning skills. For all in-reach and outreach artefacts the marking scheme is based on how much they comply with the principles of good scientific and technical writing in terms of (60 points represent a sufficient evaluation):

- Quality and structure (40 points)
- Language used (30 points)
- Correct formatting based on the constraints (30 points)

Final oral exam will be marked based on content (50%) and communication ability (50%).

### REQUIRED READINGS

- Will be given by the lecturer

### SUPPLEMENTARY READINGS

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### SOFTWARE USED

NONE